

TSATSKIN, V.S.; SIMANOVSKAYA, F.L.

[F-1 folding machine with the SF automatic feeder] Pal'tseval'naya
mashina F-1 s samonakladom SF. Moskva, Gos. nauchno-tekhn. izd-vo
tekstil., legkoi i poligraficheskoi promyshl. , 1946. 26 p.
(Folding machines) (MIRA 10:2)

TS:TSKIN, V. S.

Multi-phase stanling machine Moskva, Gos. nauch.-tehn. izd-vo tekstil., legkol i
poligraf. promysl. 1947. 18 p. (Posobiia po ukhodu za poligraficheskim oborudovaniem)
(49-53743)

TJ1920.T8

TSATSENKIN, Ya.

Feeding and Feeding Stuffs

Conference on grassland animal husbandry in newly irrigated regions of the U.S.S.R.,
Korm. baza 3 no. 3, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified

TSATSENKIN, Ya.

Gobi - Physical Geography

Geographical location and concept of the Gobi Desert. *Izv. Vs.s. geog.* ob-va 79,
No. 2, 1947.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

TSATSKA, E.M.

Attracting students to industrial research work. Der i lesokhim.
prom. 3 no.8:20 Ag '54. (MLRA 7:8)

1. Leningradskaya ordena Lenina lesotekhnicheskaya akademiya
imeni S.M.Kirova.
(Wood-chemistry--Research)

TSATSKIN, L., inzh. (g. Stalinsk, Kemerovskoy obl.).

Twenty-seven million rubles for the improvement of industrial
hygiene. Okhr. trudá i sots. strakh. no.3:38-39 S '58.

(MIRA 12:1)

(Stalinsk (Kemerovo Province)--Metallurgy--Safety measures)

VASIL'YEV, V.Z.; GEORGIYEVSKIY, N.N.; DUBYAGO, A.D.; TAUHOK, V.G.; TSATSKIN,
V.S.; SHAPOSHNIKOV, K.A.; DEHAVADYAN, G.A., redaktor; SOKOLOVA, T.F.
Tekhnicheskiiy redaktor.

[Reference tables for machine parts] Spravochnye tablitsy po
detaliam mashin. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry. Pt. 2.1955. 239 p. (MLRA 8:9)
(Mechanical engineering--Tables, calculations, etc)

GEL'BERG, S.I.; FINKEL', Ye.A.; BELETSKIY, V.I.; DANOVICH, S.M.; TSATSKINA, E.S.

Combined entero-cutaneous method of immunization with BCG vaccine.
Probl.tub. 34 no.4:48-53 J1-Ag '56. (MLBA 9:11)

1. Iz kafedry mikrobiologii (zav. S.I.Gel'berg) Kirgizskogo meditsin-
skogo instituta.

(BCG VACCINATION, exper.
entero-cutaneous method of admin. in mice & guinea pigs)

KHUTORYANSKIY, M.S., kand.tekhn.nauk; TSATSKINA, F.N., inzh.

Eliminating deformations in perlitic concrete. Stroi.mat.
9 no.11:23-24 N '63. (MIRA 17:4)

TSATSKIS, B.Z.

U-2

USSR / Pharmacology, Toxicology, Narcotics and Hypnotics.

Abstr Jour : Ref. Zh.-Biol., No 2, 1958, No 7926

Author : Gofung, I. I., Tsatskis, B.Z.

Inst :

Title : Proprioceptive Effects of Ethyl Alcohol

Orig Pub : Kurskiy Med. in-t, 1956, Vyp. 3, 22-27

Abstract : Experiments were performed on frogs. The muscle surface of the left thigh and the gastrocnemius muscles of both legs were exposed to a 5 -96° concentration of ethyl alcohol on a 5 X 5 cm filter paper for 30 seconds. It was established that a 5 -96° concentration of ethyl alcohol, acting on muscle receptors, caused a cardioinhibitory reflex. Ligation of the blood vessels of the extremity had no effect, although by tying the sciatic nerve above the site of the

Card : 1/2

USSR / Pharmacology, Toxicology. Narcotics and Hypnotics.

U-2

Abs Jour : Ref. Zh.-Biol., No 2, 1958, No 7926

Abstract : application of alcohol it was possible to completely destroy its effect. Thalamic frogs reacted to an application of alcohol in the same fashion as the normal. The spinal frogs did not react to alcohol at all. The authors conjecture that the center of the cardiac reflex, initiated on the leg of the frog, is located between the thalamus and medulla oblongata, including the vagal center, and that the efferent fibers to the heart run in the left vagus.

Card : 2/2

KHUTORYANSKIY, M. [Khutorians'kyi, M.], kand.tekhn.nauk; TSATSKINA, F., inzh.

Single-layer slabs made of keramzit perlite concrete. Bud. mat.
i konstr. 4 no.3:22-24 My-Je '62. (MIRA 15:5)
(Lightweight concrete) (Concrete walls)

KHUTORYANSKIY, M.S., kand.tekhn.nauk; TSATSKINA, F.N., inzh.

New data concerning the preparation of concrete mixes made with
porous aggregates. Stroif.mat. 8 no.10:20-21 0 '62. (MIRA 15:11)

(Lightweight concrete)

TSATSKINA, F. N.

BULAKOVSKIY, V. I., Inzhener i TSATSKINA, F. N., Inzhener i KALLSHUK, A.L.,
Kand. Tekhn. Nauk.
Ukrainskiy nauchno-issledovatel'skiy institut sooruzheniy.

BLOKI NA BESKLEKERNYKH VYAZHUSHCHIKH.

page 95

SO: Collection of Annotations of Scientific Research Work on Construction,
completed in 1950,
Moscow, 1951

BOGDANOVICH, Galina Nikolayevna, kand. tekhn. nauk; BULAKOVSKIY, Vadim Ivanovich, kand. tekhn. nauk; GOLOVCHENKO, Pavel Sergeyeovich, kand. tekhn.nauk; DEKHTYAEV, Etya Mikhaylovna, inzh.; KARNAUKHOV, Nikolay Petrovich, inzh.; KLIMANOVA, Yekaterina Antonovna, kand. tekhn. nauk; KRAVTSOV, Boris Konstantinovich, kand. tekhn. nauk; LIBERMAN, Al'fred Davidovich, kand. tekhn. nauk; LUKASHENKO, Ivan Andreyevich, kand.tekhn. nauk; POGREBNIYAK, Zinaida Feofanovna, kand. tekhn. nauk; ROKHLIN, Il'ya Aleksandrovich, kand.tekhn.nauk; TRET'YAKOV, Lev Dmitriyevich, kand. tekhn. nauk; TSATSKINA, Frida Naumovna; REZNICHENKO, I.Ye., red.; LEUSHCHENKO, N.L., tekhn.red.

[Handbook for construction laboratories]Spravochnik dlia stroitel'nykh laboratorii. Pod red. B.K.Kravtsova. Kiev, Gosstroizdat, 1962. 821 p. (MIRA 16:3)

1. Nauchnyye sotrudniki Akademii stroitel'stva i arkhitektury Ukr.SSR (for all except Reznichenko, Leushchenko). (Building research--Handbooks, manuals, etc.)

TSATSKIS, N.A.

Clamp lock for the wooden doors of lumber drying chambers.
Rats. i izobr. predl. v stroi. no.71:29-30 '53.(MLRA 9:6)
(Lumber--Drying)

TSATSKIS, V.I., kand. tekhn. nauk (Novosibirsk).

Buckling of compressed and stretched bars. Issl. po teor. sooruzh.
no.7:233-238 '57. (MLRA 10:9)

(Elastic rods and wires)

TSATSKIS, V.I., kand. tekhn. nauk (Novosibirsk).

Problems in the theory of elastic stability of frames. Issl. po
teor. sooruzh. no.7:239-252 '57. (MLRA 10:9)
(Structural frames)

SOV/124-58-3-3329

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 111 (USSR)

AUTHOR: Tsatskis, V. I.

TITLE: Buckling of a Compressed-tensed Beam (Vypuchivaniye szhato-rastyanutogo sterzhnya)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniya. Nr 7. Moscow, Gosstroyizdat, 1957, pp 233-238

ABSTRACT: Critical load values are determined for beams in which the normal force changes its sign along the length of the beam (existence of compressed and tensed regions). The beam is treated as an isolated component of a plane framework structure which is in a critical-stress state relative to in-plane buckling of components. Application of general equations is illustrated by the analysis of several particular cases. Tables of auxiliary functions are given.

V. M. Makushin

Card 1/1

SOV/124-58-1-1071

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 140 (USSR)

AUTHOR: Tsatskis, V. I.

TITLE: Some Problems of the Theory of the Elastic Stability of Frameworks
(Nekotoryye voprosy teorii uprugoy ustoychivosti ram)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniy. Nr 7. Moscow,
Gosstroyizdat, 1957, pp 239-252

ABSTRACT: The slope-deflection method is applied to the calculation of the stability of the simplest types of spatial frameworks, wherein the bending of the framework elements and their twisting are examined independently. A comparison is given of the equations of the critical state according to the force method and according to the slope-deflection method.

N. K. Snitko

Card 1/1

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756920013-7

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756920013-7"

TSATSKIS, V.I., dots., kand.tekhn. nauk

Stability of one-story frame systems. Nauch.dokl.vys.shkoly; stroi.
no.1:73-78 ' 58. (MIRA 12:1)

1. Rekomendovana kafedroy matematiki Novosibirskogo elektrotekhnicheskogo instituta svyazi.
(Structural frames)

TSATSKIS, V.I.

Stability of n-stage rods on elastic supports. Izv.vys.ucheb.zav.;
stroit. i arkhit. no.5:22-27 '58. (MIRA 12:1)

1. Novosibirskiy elektrotekhnicheskiy institut svyazi.
(Elastic rods and wires)

TSATSKIS, Ye.N.

Vitamin E content in the blood serum in myopathy and in other diseases. Zmr.
nevr. i psikh. 53 no.10:799-801 0 '53. (MLRA 6:10)

1. Laboratoriya biokhimii pitaniya i pishchevareniye Instituta fiziologii im.
I.P.Pavlova Akademii nauk SSSR. (Muscles--Diseases) (Vitamins)

DMITRIYEVA, S.A.; KALLINIKOVA, M.N.; PANOV, N.A.; PETRUN'KINA, A.M.;
SILINA, L.I.; TSATSKIS, Ye.N.

Exchange of nitrogen, sulfur, water, and mineral salts in healthy
young males under training conditions. Trudy Inst. fiziol.9:425-
436 '60. (MIRA 14:3)

1. Gruppya po izucheniya voprosov biokhimii pitaniya (zaveduyushchaya -
A.M.Petrun'kina) Instituta fiziologii im. I.P.Pavlova
(NITROGEN METABOLISM) (SULFUR IN THE BODY)
(WATER IN THE BODY) (MINERALS IN THE BODY)
(PHYSICAL EDUCATION AND TRAINING)

L 17020-66

ACC NR: AP6006347

SOURCE CODE: UR/0413/66/000/002/0070/0071

INVENTOR: Kiselev, M. T.; Logvinov, I. A.; Nemerovskiy, L. I.;
Paratyagina, T. N.; Pistova, A. P.; Tsarevskiy, V. L.

ORG: none

TITLE: A spirometabolograph. Class 30, No. 178027

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki,
no. 2, 1966, 70-71

TOPIC TAGS: spirometabolograph, human physiology, human respiration,
human metabolism

ABSTRACT: An Author Certificate has been issued for a spirometabolo-
graph consisting of a dry cavity sensor, absorber, valve housing,
mouthpiece, and a system of tubes. To reduce dead space and to
maintain the physiological conditions for respiration of the subject,
a stopcock has been situated between the inhale and exhale valves and
between the absorber and dry cavity sensor. A variation of the above
can purify the breathing system by virtue of a bellows connected to
the dry cavity sensor which is mounted by means of screws on a
stationary lid. The bellows has a movable cover which can be dis-
connected from the recording mechanism. A third variation is designed

Card 1/2

UDC: 616.24—073.173—7

L 17020-66

ACC NR: AP6006347

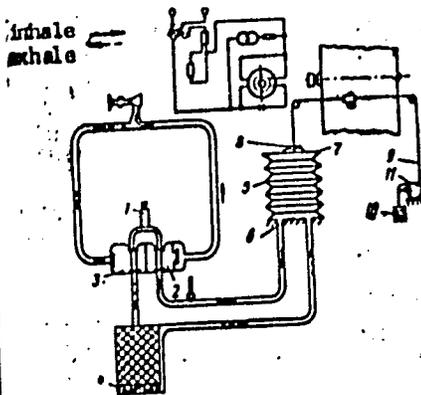


Fig. 1. Spirometabograph

- 1 - Stopcock; 2 - inhale valve; 3 - exhale valve; 4 - absorber; 5 - bellows connected to the dry cavity sensor; 6 - stationary lid; 7 - movable lid; 8 - spool; 9 - cable of the balancing mechanism; 10 - waight; 11 - cam with adjustable arm.

to increase the accuracy of the investigation: A spool is attached to the movable bellows cover. A cable is attached to the spool which leads to a balancing mechanism consisting of a waight connected to a cam with an adjustable arm (see Fig. 1). Orig. arb. has: 1 figure. [CD]

SUB CODE: 06/ SUBM DATE: 08Sep64/ ATD PRESS: 4207

Card 2/2 *mjs*

TSATSKO, L.. Primalni uchastiye: DELOV, V.N.; BEGMA, G.P.; ZANDBERG,
Ya.N.; BOGUSLAVSKIY, D., red.; BERGER, K., red.; YUNOVSKIY, Ye.,
tekh.red.

[Capital construction and planning; a collection of legislative
enactments and instructions] Kapital'noe stroitel'stvo i pro-
ektirovanie; sbornik zakonodatel'nykh i instruktivnykh materialov.
Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1958. 713 p.
(MIRA 12:5)

(Building laws)

KONYUSHENKO, I., kand. voyennykh nauk, podpolkovnik; SAZHIN, N., gvardii
podpolkovnik; TSATSORIN, N., podpolkovnik

The tank company on the offensive; points on the organization
and application of tactical instruction. Voen. vest. 39 no.6:35-44
Je '59. (MIRA 12:9)

(Tank warfare)

TSATURIAN, G. B., Cand of Vet. Sciences
Diagnostic Dept. Armenian Scientific Research Vet. Institute
"Utilization of hexachlorethane in pediculosis, mange and ringworm."
SO: Vet. 24 (4) 1947, p. 37

TSATUROV, A.I.; STADNIKOVA, N.K.

Petroleum potential of upper Cretaceous sediments in the central part of the Terek Range. Geol. nefti i gaza 4 no. 12:1-3 D '60.
(MIRA 13:12)

1. Upravleniye neftepererabatyvayushchey i gazovoy promyshlennosti Checheno-Ingushetskoy ASSR.
(Terek Range--Petroleum Geology)

TSATUROV, A.I.; STADNIKOVA, N.K.

New data on oil and gas potentials of upper Cretaceous sediments in the Karabulak-Achaluki area. Geol. nefi Supplement to no.8:64-70 '58. (MIRA 11:10)

1. Checheno-Ingushskiy sovnarkhoz.
(Sunzha Range--Petroleum geology)
(Sunzha Range--Gas, Natural--Geology)

TSATUROV, A.I.

New data on the Pre-Mesozoic folded foundation in Ozek-Suat and adjacent regions. Geol. nefti 1 no.8:55-59 Ag '57. (MIRA 10:12)

1.Grozneft'.

(Groznyy Province--Petroleum geology)

PA 61T53

TSATUROV, A. I.

USSR/Geology
Stratification
Petroleum

Feb 1948

"The Continental Stratum of Gorznensk Oblast -- A New Object for Prospect Drilling," A. I. Tsaturov, 3 pp

"Neftyanoye Khozyaystvo" No 2

Geological characteristics of deposits discovered in 1935 along Adu-Yurt River indicate a large continental stratum and prospects of oil capacity in northeastern part of Groznensk Oblast in the northern part of Dagestan ASSR. Summarizes reports of studies of this deposit.

61T53

TSATUROV, A. I.

2

KOROTKOV, S.I., TSATUROV, A.I., AKRAMKHODZHAYEV, A.M.,

Problem of oil and gas content in meso, eio deposits in the south
of the USSR

Report to be submitted for the sixth World Petroleum Congress,
Frankfurt, 16-26 June 63.

TSATUROV, A.I.

Oil-bearing prospects of lower Chokrak strata in the Terek-Daghestan
oil- and gas-bearing region. Geol. nefti 1 no.1:39-44 Ja '57.
(Groznyy Province--Petroleum geology) (MLRA 10:8)

ALIKSIN, A.G.; TSATUROV, A.I.

Basic results of drilling key wells in the Terek-Kuma plain.
Trudy VNIGRI no. 111:232-253 '57. (MIRA 11:6)
(Terek Valley--Boring) (Kuma Valley--Boring)

TSATUROV, A.I.; STADNIKOVA, N.K.

New data on oil and gas potentials of upper Cretaceous sediments
in the Karabulak-Achaluki area. Geol. nefti supplement to no.8:
64-70 '58. (MIRA 11:9)

1. Checheno-Ingushskiy sovmarkhoz.
(Sunzha Range--Petroleum geology)
(Sunzha Range--Gas, Natural--Geology)

TSATUROV, A. I.

PA 25/49T31

USSR/Geology
Stratification
Tectonics

Jun 48

"More About the Continental Stratum of Groznyy Oblast," A. I. Tsaturov, 4 pp

"Neft Khoz" No 6

Results of surveys conducted to determine thickness of Nazranovsk strata of Groznyy Oblast. Data showed varying thicknesses. At Pliyev it measured 80-100 meters, at Adu-Yurt 125-130 meters, and at Chervlennaya about 150 meters thick.

25/49T31

TSATUROV, A.I.

Tectonics of the plain part of the Chechen-Ingush A.S.S.R. in connection with the prospects for finding oil and gas. Geol.-nefti i gaza 6 no.5:20-23 My '62. (MIRA 15:5)

1. Gosudarstvennoye vsesoyuznoye ob"yedineniye Groznenskoyneftyanoy i gazovoy promyshlennosti.
(Chechen-Ingush A.S.S.R.--Petroleum geology)
(Chechen-Ingush A.S.S.R.--Gas, Natural--Geology)

BROD, I.O.; BELOV, K.A.; BURSHAR, M.S.; KOROTKOV, S.T.; NESMEYANOV,
D.V.; TSATUROV, A.I.

Oil and gas potentials of Ciscaucasia in view of the distribution
characteristics of accumulations in the piedmont basins. Trudy
VNIGNI no.32:76-99 '60. (MIRA 14:7)
(Caucasus, Northern--Petroleum geology)
(Caucasus, Northern--Gas, Natural--Geology)

TSATUROV, G.; KUZNETSOV, A.

Session of Oil and Gas Section of the Council of Geological
Testimony of the Main Geological Prospecting Administration
of the R.S.F.S.R. Geol. nefti i gaza 5 no.6:62-64, 3 of cover
Je '61. (MIRA 14:6)

(Petroleum geology)
(Gas, Natural --Geology)

0

KISIN, I.Ye.; TSATUROV, V.L.

Pump flow meter for the registration of blood flow volume velocity.
Biul. eksp. i biol. med. 50 no. 8:118-120 Ag '60. (MIRA 13:10)

1. Iz laboratorii chastnoy farmakologii (zav. - deystv. chlen AMN SSSR V.V. Zakusov) Instituta farmakologii i khimioterapii AMN SSSR i iz laboratorii obshchey fiziologii (zav. - deystv. CHLEN AMN SSSR V. N. Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva. Predstavlena deystv. chlenom AMN SSSR V.V. Zakusovym.
(BLOOD—CIRCULATION) (PHYSIOLOGICAL APPARATUS)

TSATUROV, V.L.

Parts of the central nervous system involved in the development of
a two-phase vascular reflex of skeletal muscles. DOKL. AN SSSR 136
no.6:1501-1504 F '61. (MIRA 14:3)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
Predstavleno akademikom V.N. Chernigovskim,
(NERVCUS SYSTEM VASOMOTOR)
(REFLEXES)

2547 6-20-67
KHAYUTIN, V.M., DANCHAKOV, V.M., ~~TSATUROV, V.L.~~

Perfusion pump for the measurement of vascular resistance (tonus)
[with summary in English]. Biul. eksp. biol. i med. 45 no. 2: 117-121
F '58. (MIRA 11:5)

1. Iz eksperimental'noy laboratorii (zav.- kand. med. nauk V.M. Khayutin) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) AMN SSSR i Opytnogo zavoda (dir. M.P. Monkevich) AMN SSSR, Moskva.
(BLOOD VESSELS, physiology,
tonus, perfusion pump for measurement (Rus))

W. J. ...

Vasomotor reaction of a certain ... the small intestine to
the ... of the ... of the bulbous vasomotor center.
pp. 480-483 Mr '61. (1961:14:2)

1. ...
...
(NERVOUS SYSTEM, VASOMOTOR)

KHAYUTIN, V.M.; TSATUROV, V.L.

Mechanism of vasomotor regulation. Report No.2: Regional vasomotor reflexes following electric stimulation of afferent fibers of the somatic nerves. Biul. ekap. biol. med. 47 no.2:17-21 P '59. (MIRA 12:4)

1. Iz eksperimental'noy laboratorii (zav. - kand. med. nauk. V.M. Khayutin) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen- AMN SSSR V.N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V. N. Chernigovskim.

(BLOOD PRESSURE, physiol.

eff. of electric stimulation of afferent somatic nerve fibers on regional changes (Rus))

KHAYUTIN, V.M.; TSATUROV, V.L.

Mechanisms of vasomotor regulation. Report No.3: Efferent reflex effects on blood vessels of the extremities from the afferent somatic nerve fibers. Biul. eksp. biol. i med. 47 no.3:16-20 Mr '59. (MIRA 12:7)

1. Iz eksperimental'noy laboratorii (zav. - kand. med. nauk V. M. Khayutin) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy Chlen AMN SSSR V. N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V. N. Chernigovskim.
(BLOOD PRESSURE, physiol.

eff. of efferent reflexes from afferent somatic nerve fibers on vasomotor funct. in extremities (this))

TSATUROV, V.L.

New modification of the salivary-suction receptacle. [with summary in English]. Biul. eksp. biol. i med. 43 no.1:122-124 Ja '57.

(MLRA 10:8)

1. Iz laboratorii fiziologii i patologii vysshey nervnoy deyatelnosti (sav. - doktor biologicheskikh nauk Ye.A.Yakovleva) Instituta normal'noy patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V.N.Chernigovskim.

(SALIVATION,

receptor-capsule for physiol. studies (Rus))

ACC NR: AP6023078 (AN) SOURCE CODE: UR/0367/66/003/004/0598/0601

AUTHOR: Vartanov, N. A. ; Samoylov, P. S. ; Tsaturov, Yu. S.

34
B

ORG: none

TITLE: Gamma radiation of Sr⁸⁵ 19

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 598-601

TOPIC TAGS: gamma radiation, gamma spectrum, gamma quantum, strontium, strontium radiation

ABSTRACT: The γ -radiation of Sr^{85} has been carefully investigated. It was found that, in addition to the well-known 514-keV γ -quanta, 880-keV γ -quanta are also emitted. The relative intensities of these lines are equal to 0.010 ± 0.002 and 100, respectively. It has been shown that the 1220 keV γ -line, previously attributed to Sr^{85} , is absent in the γ -spectrum of Sr^{85} . The authors thank Ye. A. Zherebin for his help in the experimentation and L. I. Vartanova for the

L 40254-66

ACC NR: AP6023078

chemical separation of strontium from irradiated targets. Orig. art. has:
2 figures and 2 tables. [Based on authors' abstract] [NT]

SUB CODE: 18/ SUBM DATE: 08May65/ ORIG REF: 001/ OTH REF: 009/

Card

2/2

TSATUROVA, G.A.; MOROZ, O.N.

Outbreak of aspergillosis at a brewery and alcohol plant. Vop.
pit. 20 no.3:55-59 My-Je '61. (MIRA 14:6)

1. Iz sanitarno-gigiyenicheskogo sektora (zav. G.A.TSaturova)
Nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii
i gigiyeny i iz kafedry morfologii i sistematiki vysshikh i nizshikh
rasteniy (zav. - dotsent G.D.Pashkov) universiteta, Rostov-on-Donu.
(ASPERGILLUS) (MALT)

ISAIKOVA, I.M.

PLATE I ROSE EXPLORATION 307/403

Исследования в области автоматического управления (Automatic Control) Collection Series [Moscow] Izdatel'stvo MFTI (1960) 431 p. Errata slip inserted. 5,300 copies printed.

Ed. I. I. Tsyplina, Doctor of Technical Sciences, Professor; Ed. of Publishing House: Ye. J. Ginzburg, Tech. Ed. G. A. Astas'eva.

PURPOSE: This collection of reports is intended for scientists and engineers engaged in the study of automation.

CONTENTS: The collection contains reports presented at the 4th Conference of Young Scientists of the Institute of Mathematics and Mechanics of the Academy of Sciences (USSR) in January 1959. The collection covers a wide range of scientific and technical problems connected with automatic control. So personal titles are mentioned. References accompany each report.

Subjects, Eds. Controller-plant circuits in Multivariable Automatic Optimalizers 129 The author reviews and demonstrates various situations of the controller unit of a multivariable system and demonstrates various methods of the search for an extremum. There are 3 references, all Soviet.

PART II. AUTOMATIC CIRCUITS

Gubonovskiy, V.P. Checking of Specific Electric Structures and Geometrical Parameters of Homogeneous Resistor Networks by Means of Hall Currents 135

The author studies a local, primarily, homogeneous, conductive network placed in a high-frequency magnetic field of a coil. The network is a coil. This results in changes of coil resistance and reactance. The author obtains mathematical formulas and draws curves connecting the values of the distributed parameters with the parameters of the investigated magnetic fields. There are 4 references: 2 Soviet, 1 English, and 1 German.

Kahnman, A.Y. Some Applications of Hall-Effect Components Characteristics and Operating Conditions of Components Built of Materials Possessing Considerable Piezomagnetic and Hall Effects. See also includes some equations as to the weight of such components to be used in automatic and telemechanic equipment. There are 4 references, all Soviet. 143

Plummer, J.A. Application of Reverse Scattered Radiation for the Automatic Checking of the Composition of Complex Metals 153 The author discusses certain aspects of the application of reverse scattered radiation for continuous, continuous, automatic checking of the composition of complex metals containing three or more components. There are 10 references: 5 Soviet, 4 English, and 1 French.

Rozanov, I.M., M.Y. Shestakov, and A.M. Zhukovskiy. Automatic Potential-Error Tests of the Operation of Primary Transducers 160 The author sets at the beginning of a corrected automatic potentialometer for 15 alternate for use in chemical and heat-producing installations. They discuss the method which they have applied for correcting primary transducers by first and second order derivatives of the signal. The method is described by first and second order derivatives of the signal. There are 5 references: 3 Soviet, and 2 English.

PLAZA 1 BOE EROZITATION 507/403

Abdumalyk Maul SSCM, Institut artemitid i volenbanishi
Artemitidobroye upravleniye [Artemitid robe] (Automatic Control) Collected
Soviet [Moscow] Izdaniye AN SSCM [1960] 43 p. Ervite slip inserted. 5,500
copies printed.

Ed. I. I. Tolstoy, Doctor of Technical Science, Professor, Ed. of Publishing
House: Prof. Gergor'ev, Tech. Ed. G. A. Arslan'eva.

PROBES: This collection of reports is intended for scientists and engineers
engaged in the study of automation.

CONTENTS: The collection contains reports presented at the 6th Conference of
Young Scientists of the Institut artemitid i volenbanishi SSCM (Institute
of Automation and Telemechanics of the Academy of Sciences USSR) in January
1979. The collection covers a wide range of scientific and technical problems
connected with automatic control. Its personalities are mentioned. References
accompany each report.

Abstract: B. A. Method of Increasing the Quick Action of Mixers for the Man-
agement of Aerial Parameters in Multicomponent Systems

The author describes a small-size high-speed stirrer for diluting a mixture
of sulfuric and nitric acids in water. The stirrer has been developed and
built at the ID Ir AN SSCM (Design Office of the Institute of Automation and
Telemechanics of the Academy of Sciences USSR). The stirrer, which can
be used for laboratory as well as for industrial purposes, dilutes the
mixture of acids in a given volumetric ratio with a 2-0.1 per cent accuracy,
while the mixture may have at the input of the stirrer a temperature of 5 to
100°C, and water at a temperature of 5 to 25°C. The liquids are thermi-
cally stirred for a period of 20 ± 0.2°C in order to obtain a
uniform temperature. The heat transfer coefficient between the liquid and
the wall of the stirrer is also a value of several tens of thousands of k
calories per m² hr. °C. There are 4 references, all Soviet (including
1 translation).

Abstract: L. A. Application of the γ -Radiation Absorption Tomography for
Automatic Control of the Composition of Multicomponent Agents

The author discusses the application of the process of γ -radiation for
automatic control of the composition of multicomponent agents. The author
describes the construction of a tomographic device for the control of the
composition of multicomponent agents. The author discusses the use
of radioactive isotopes for the control of the composition of multicomponent
agents. The author also discusses the use of γ -radiation for the control of
the composition of multicomponent agents. The author also discusses the use
of γ -radiation for the control of the composition of multicomponent agents.
The author also discusses the use of γ -radiation for the control of the
composition of multicomponent agents. The author also discusses the use of
 γ -radiation for the control of the composition of multicomponent agents.
There are 3 references, all Soviet.

Abstract: I. A. Reduction of the Time Constant of the Mass-Spectrometer Out-
put

The author describes and analyzes the problem of increasing the resolu-
tion of a mass-spectrometer by way of reducing the time constant of an
electron-multiplying tube with a 100 per cent negative feedback. Such
a method for process stabilization has been used as a rule, used as the
basis for the design of a mass-spectrometer. The author suggests the use of a
ferromagnetic element (ferromagnetic core) designed in such a way that its
magnetic flux changes in the reverse of that of the multiplier.
There are 4 references, all Soviet.
Card 12/28

27971

S/194/61/000/004/002/052
D249/D302

9,6000 (1013,1040)

AUTHORS: Panasenکو, I.M., Rybashov, M.V. and Tsaturova, I.A

TITLE: Automatic potentiometer with dynamic correction of primary transducers

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 4, 1961, 20, abstract 4 A139 (V sb. Avtomat, upravleniye, M., AN SSSR, 1960, 160-168)

TEXT: The problem of reducing the time-lag in instrumentation transducers is considered. The reduction of the time-lag at the expense of transducer's construction is normally not permissible. The inclusion of series, passive, correcting devices leads to a decrease in the signal strength and a requirement for additional amplification. It is relatively simple, however, to correct for a long time constant of a transducer by means of a measuring instrument with modified dynamic characteristics. Such characteristics can be produced by inserting in the feedback circuit of an electron-

Card 1/2

Automatic potentiometer...

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S/194/61/000/004/002/052
D249/D302

ic potentiometer a correcting network with the transfer function given by $W_k(P) = \frac{K(T_1P + 1)}{TP + 1}$, By introducing in the circuit

the first derivative, the static error is reduced without affecting the circuit stability. Most of the industrial thermocouples have characteristics which are given by the linear equations of the first order; other transducers have characteristics given by the equations of the second order. Both these types of characteristics can be compensated for. The circuit diagram is presented of the prototype instrument based on the instrument ЭПД-07 (EPD-07) and incorporating the correcting device built on the computing amplifier from the equipment ЭМУ-8А (EMU-8A). The results of the investigations with this model show that its response is approximately 20 times faster than before modification. The modified automatic potentiometer can be used for correcting time lags of thermocouples with time-constants up to 15 minutes. 5 figures and 5 references. [Abstracter's note: Complete translation]

Card 2/2

TSATUROVA, R.G.

How to lower unit production costs in the enterprises of radiobroadcasting networks. Trudy LEIS no.4:67-76 '59. (MIRA 13:10)
(Radiobroadcasting—Costs)

TSATUROVA, T. T.

PA 31/49T33

USSR/Medicine - Penicillin

Nov 48

Medicine - Endocarditis, Infectious

"Use of Penicillin in Treatment of Intermediate Form of Septic Endocarditis," T. T. Tsaturova, Therapeutics Clinic, Cen Inst for Advancement of Doctors, Clinical Ord of Lenin Hosp imeni S. P. Botkin, 5 3/4 pp

"Klin Med" Vol XXVI, No 11

Presents results of treatment of 28 patients. Describes seven cases in detail. Concludes that penicillotherapy in cases of intermediate septic endocarditis gives remissions of varying duration.

31/49T33

TSATURYAN, A.T.; SARKISYAN, M.A.; TORGOMYAN, A.Kh.; KARAGEZYAN, A.G.

Role of *Lambia* in intestinal diseases in children. Zhur.
eksp. i klin. med. 3 no.3:81-87 '63. (MIRA 17:1)

1. Institut epidemiologii i gigiyeny Ministerstva zdравo-
okhraneniya Armyanskoy SSR.

TSATURYAN, D.

Concreting without using frames. Stroitel' no.1:25 Ja '58.
(Baku--Reinforced concrete construction) (MIRA 11:2)

TSATURYAN, G.M., lesovod

"Nurseries of ornamental plants and shrubs" by A.O.Mkrtchian.
Reviewed by G.M.TSaturian. Izv.AN Arm.SSR.Biol.nauki 15 no.11:
95-98 N '62. (MIRA 15:12)
(PLANTS, ORNAMENTAL) (NURSERIES (HORTICULTURE))
(MKRTCHIAN, A.O.)

YERMAN, V.L. (Moskva); SOBOLEV, O.K. (Moskva); TSATURYAN, K.T. (Moskva)

Problems concerning the theory of self-adjusting control
systems. Izv. AN SSSR. otd. tekhn. nauk. tekhn. kib. no.3:103-
111 My-Je '63. (MIRA 16:7)

(Automatic control)

S/044/62/000/009/025/069
A060/A000

AUTHOR: Tsaturyan, S. I.

TITLE: On the theory of non-steady-state motion of a gas in long pipelines

PERIODICAL: Referativnyy zhurnal, Matematika, no. 9, 1962, 58, abstract 9B270
("Tr. I-y Zakavkazsk. konferentsii molodykh nauchn. sotrudn., pos-
vyashch. vopr. energ., gidravliki-gidrodinamiki meteorol.-gidrol.",
Yerevan, 1960, 167 - 181)



TEXT: The non-steady-state flow of gas in a long pipeline is considered. Assuming the process as isothermal and neglecting the inertial forces as compared with resistance forces, the author obtains the following system of equations for the characteristics of motion:

$$\frac{\partial p}{\partial x} = -b \frac{u\lambda}{8\delta Fg},$$
$$\frac{\partial \rho}{\partial t} + \rho \frac{\partial u}{\partial x} + u \frac{\partial \rho}{\partial x} = 0,$$

Card 1/2

On the theory of...

S/044/62/000/009/025/069
A060/1.000

$$p = \rho RTg.$$

Here p , ρ , u are the cross-sectional mean pressure, density, and velocity, respectively, T is the absolute temperature, λ is a dimensionless resistance coefficient, δ is the hydraulic radius of the cross-section, g is the acceleration of gravity, b is the mean value of the quantity $gF\sigma u$ in the interval of variation of consumption. The boundary and initial conditions are set up for the system (1). The essence of the approximate method proposed by the author consists in the following: by the introduction of dimensionless variables and their appropriate transformation, the system (1) is transformed into a special form. By applying to the new system the transformation of A. A. Dorodnitsyn (see, for example, A. M. Mkhitarian, Izv. AN ArmSSR, Ser. FMAT nauk, 1955, 8), and by representing the requisite functions in the form of infinite power series of the parameter $\tau = \sqrt{t}$ (here t is already a dimensionless time), the author reduces the problem to the solution of an infinite system of nonlinear ordinary differential equations for the coefficients of these series. The system obtained is such that with the aid of the boundary and initial conditions it permits of a successive elimination of the unknown functions.

Yu. Ya. Pogodin

[Abstracter's note: Complete translation]

Card 2/2

BABADZHANYAN, G.A.; TSATURYAN, S.I.

Law governing the flow of gas in a long gas line under non-stationary operating conditions. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 14 no.5:71-78 '61. (MIRA 14:11)

1. Institut energetiki i gidravliki AN Armyanskoy SSR.
(Gas flow)

TSATURYANTS, A.B.; MAMEDOV, A.R.; EYVAZOVA, R.G.

Coefficient of the throttling of ethane. Dokl. AN Azerb. SSR
18 no.11:23-28 '62. (MIRA 17:2)

1. Institut razrabotki neftyanykh i gazovykh mestorozhdeniy
AN AzSSR. Predstavleno akademikom AN AzSSR S.M. Kuliyezym.

TSATURYANTS, A.B.

Geothermal stages for big holes. Trudy Sem.po gor.teplotekh.
no.4:90-93 '62. (MIRA 15:8)

1. Institut razrabotki neftyanykh i gazovykh mestorozhdeniy
AN AzSSR.

(Azerbaijan--Oil wells) (Earth temperature)

TSATURYANTS, A.B.; IZABAKAROV, M.

Establishment of the gas condensate factor and ~~maxima~~ condensation pressure of condensate systems. Izv. AN Azerb. SSR Ser. geol.-geog. nauk i nefti no.5:33-41 '62.

(MIRA 16:6)

(Condensate oil wells)

TSATURYANTS, A.B.

Possibility of the existence of a liquid condensate in the
gas-condensation area of an untapped pool. Dokl. AN Azerb.
SSR 18 no.12:33-36 '62. (MIRA 16:11)

1. Institut razrabotki neftyanykh i gazovykh mestorozhdeniy
AN AzerSSR. Predstavleno akademikom AN AzerSSR M.V. Abramovichem.

TSATURYANTS, A.B.; KHITEYEV, A.M.; MURADOV, A.A.

Studying methods of the production of condensate pools to be
used in the Karadag field. Trudy AzNII DN no.9:223-228 '60.
(MIRA 14:5)
(Karadag region—Condensate oil wells)

TSATURYANTS, A.B.; ASADULLAYEVA, N.N.

Determining the pressure of maximum condensation for gas-condensate fields. Izv.AN Azerb.SSR. Ser.geol.-geog.nauk i nefti. no.4:73-81 '61. (MIRA 15:1)

(Condensate oil wells)

TSATURYANTS, A.B.

Determination of bottom hole pressures based on pressures at gas
well heads. Trudy AzNII DN no.9:259-262 '60. (MIRA 14:5)
(Gas wells)

TSATURYANTS, A.B.; KADYROV, N.K.

Study of the loss of condensate in the transportation of
Karadag gas. Azerb. neft. khoz. 39 no.2:27-30 F '60.

(MIRA 14:8)

(Karadag region--Condensate oil wells)

TSATURYANTS, A.B.; MAMEDOV, A.R.

Throttling coefficient for methane. Izv. AN Azerb.SSR.Ser.
fiz.-mat. i tekhnauk no.3:137-144 '62. (MIRA 15:9)
(Methane)
(Fluid mechanics)

ALIYEV, A.G., prof., doktor geol.-min.nauk, otv.red.; KULIYEV, S.M., prof.,
doktor tekhn.nauk, red.; MIRZADZHANZADE, A.Kh., doktor tekhn.nauk,
red.; ABASOV, M.T., kand.tekhn.nauk; red.; ~~TSATURYANTS, A.B., kand.~~
tekhn.nauk, red.; VASILEVSKIY, Ya., red.izd-va; AGAYEVA, Sh.,
tekhn.red.

[Materials on the geology and development of oil fields in Azerbaijan]
Materialy po geologii i razrabotke neftiannykh mestorozhdenii Azerbaidzhana. Baku, 1959. 315 p.
(MIRA 12:11)

1. Akademiya nauk Aberbaidzhangskoy SSR. 2. Chlen-korrespondent AN
Azerb.SSR (for Aliyev, Kuliyeu).
(Azerbaijan--Petroleum geology)

TSATURYANTS, A.B.; GADZHIEVA, T.A.

New data on the reciprocal gradient for petroleum formations
in Azerbaijan [in Azerbaijani with summary in Russian]. Izv. AN
Azerb. SSR. Ser. fiz.-tekhn. i khim. nauk no.5:39-45 '58.

(MIRA 12:1)

(Azerbaijan--Petroleum geology)

MURADOV, A.A.; TSATURYANTS, A.B.

~~XXXXXXXXXXXX~~
Viscosity of petroleum saturated with methane [in Azerbaijani with
summary in Russian]. Izv. AN Azerb. SSR. Ser.fiz.-tekh. i khim.
nauk no.6:83-89 '58. (MIRA 12:2)
(Viscosity) (Petroleum) (Metane)

KADYROV, N.K., TSATURYANTS, A.B.

Application of the principle of corresponding states for determining the compression coefficient of pure and mixed hydrocarbon gases. Dokl.AN Azerb. SSR 16 no.2:117-120 '60.
(MIRA 13:8)

1. Azerbaydzhanskiy Nauchno-issledovatel'skiy institut dobychi nefti. Predstavleno akademikom AN AzerSSR M.F.Nagiyevym.
(Liquified petroleum gases)

KADYROV, N.K.; TSATURYANTS, A.B.

Compressibility factor of hydrocarbon gases. Azerb.neft.khoz.
36 no.8:26-27 Ag '57. (MIRA 10:11)
(Gas, Natural) (Compressibility)

TSATURYANTS, A.B.

Maximum condensation pressure. Trudy Inst. razrab. neft. i
gas. mestorozh. AN Azerb. SSR 1:110-138 '62. (MIRA 16:6)

(Condensate oil wells)
(Gas, Natural--Separation)

TSATURYAN, A. T.

37616

o vidovoy samostoyatel' vosti paraziticheskoy ameby entamoeba hartmanni (provazek, 1922), yee otnosheniye k etiologii i epidemiologii kishchno amebiaza. (avtoreferat kano. dissertatsii) trudy in-ta maylarii med. parazitologii (M-va zoravookhraneniya arm. SSR.) vyp. 4, 1949, s. 174-82

SO: Letopis' Zhurnal'nykh Statel', V. 1. 37, 1949.

SALINYAN, M.V.; TSATURYAN, A.T., direktor instituta; AZATYAN, A.N., zaveduyushchiy
otdelom.

Eradication of tropical malaria from one settlement. Med.paraz.i paraz.bol.
no.4:338-341 J1-Ag '53. (MLRA 6:9)

1. Epidemiologicheskii otdel Instituta malyarii i meditsinskoy parazitologii
Ministerstva zdravookhraneniya Armyanskoy SSR. (Malarial fever)

BADALYAN, A.L.; TSATURYAN, A.T., direktor instituta; KALANTARYAN, Ye.V., zabedyushchiy otdelom.

Simultaneous occurrence of parasitic dwarf tapeworms and ascarids in the intestines of man. Med.paraz.i paraz.bol. no.4:342 J1-Ag '53. (MLHA 6:9)

1. Gel'mintologicheskij otdel Instituta malyarii i meditsinskoy parazitologii Armyanskoy SSR. (Worms, Intestinal and parasitic)

TSATURYAN, G. B.
CA

15A

Use of hexachloroethane in louse infestation, eczema, and hair-shedding skin infections. G. B. Tsaturyan. *Veterinariya* 24, No. 4, 37-8(1947). - Hexachloroethane is an effective delousing material when used as a powder impregnant or in oil soles., as shown by expts. with calves, pigs, and sheep. (Oil soles. have better penetrability and may be preferable (vegetable oil of unspecific type was used). Generally, a 20% soln. was also effective in the therapy of eczemas produced by parasitic insects, as well as in the therapy of sheep infested by insects causing shedding of hair.
G. M. Kosidapov

A 38.31.4 METALLOGICAL LITERATURE CLASSIFICATION

TSATURYAN, T.G.; ZALYAN, R.A.

Features of the anatomical structure of the stem in Caucasian
dodders. Nauch. trudy Erev. un. 54 pt.1:79-94 '56. (MLBA 10:4)

1. Kafedra morfologii i sistematiki rasteniy.
(Armenia--Dodder)

TSATURYAN, Tamara G.

Palynologia Caucasica Part 2: Pollen of Caucasian representatives
of the family Ammiaceae. Trudy Bot. inst. AN Arm. SSR 5:157-198 '48.
(Caucasus--Ammiaceae) (Pollen) (MLRA 9:8)

TSATURYAN, V.A. (Baku)

Introducing the exponential function in grade 9. Mat. v shkole no.3:
51-53 My-Je '57. (MLRA 10:6)

(Functions, Exponential--Study and teaching)

TSATURYANTS, A.B.

Determination of retrograde losses of condensates in a layer. Azerb.
neft. khoz. 39 no.10:29-31 O '60. (MIRA 13:11)
(Condensate oil wells)

TSATURYANTS, A.B.

Hydraulic design of the PD-3 sampler. Azerb. neft. khoz. 37 no.3:
28-30 Mr '58. (MIRA 11:8)

(Oil well drilling--Equipment and supplies)

TSATURYANTS, A.B.; GADZHIYEVA, T.A.

Reciprocal gradient in Azerbaijan oil and gas regions. Geol.neft
i gaza 4 no.7:59-62 Je '60. (MIRA 13:8)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche
nefti.

(Azerbaijan--Oil sands--Thermal properties)

TSATURYANTS, A.B.; MURADOV, A.A.

Method for determining the saturation pressure. Azerb.neft.khoz.
36 no.3:27-28 Mr '57. (MLRA 10:5)
(Oil wells)

TSATURYANTS, A.B.; SHABANOV, S.F.

Determining the characteristics of the change in the geothermic
depth in Azerbaijan deposits. Izv.AN Azerb.SSR. Ser.geol.-geog.
nauk i nefti no.5:109-117 '61. (MIRA 15:1)
(Azerbaijan--Earth temperature)

TSATURYANTS, A.B.; ASADULLAYEVA, N.

Estimating the effect of the condensate composition and temperature on the maximum condensation pressure of gas condensate systems. Izv. AN Azerb. SSR, Ser. fiz.-mat.i tekhn. nauk no.1:161-166 '61. (MIRA 14:4)
(Condensate oil wells)

TSAUNE, A.Ya.; MOROZOV, V.P.

Use of effective kinematic coefficients in determining the
anharmonicity in molecular vibrations. Opt. i spektr. 19
no.2:186-193 Ag '65. (MIRA 18:8)

CLASSIFICATION: CONFIDENTIAL

1. TS AUNE, Ernest., LASMANTS, VALDIS,
2. USSR (600)
4. Latvia - Economic Conditions
7. Answer to foreign liars. Mol. kolkh 19 no. 12 1952

Monthly Lists of Russian Accessions, Library of Congress, March, 1953, Unclassified.

TSAUTSIS, K.G., inzhener.

Cut-off switch used when the safety plug of crusher flywheel
breaks. TSeiment 22 no.3:27 My-Je '56. (MLBA 9:8)

1. Rizhskiy tsementnyy zavod.
(Riga--Cement) (Crushing machinery--Attachments)

RABKINA, S.A.; SAZANOVA, V.D.; TSAUZNER, G.M.

Some problems in the epidemiology and prevention of poliomyelitis in
Cheliabinsk. Vop.virus. 4 no.4:443-445 JI-Ag '59. (MIRA 12:12)

1. Chelyabinskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.
(POLIOMYELITIS, prevention & control)

Tsarenko, N. V.

USSR/Processes and Equipment for Chemical Industries--
Processes and apparatus for chemical technology.

K-1

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10589

Author : Tsarenko, N. V.
Inst : Kiev Polytechnic Institute
Title : Investigation of the Heat Release During Turbulent Flow
of Liquids in Narrow Channels of Rectangular Cross
Section

Orig Pub: Izv. Kievsk. politekhn. in-ta, 1956, Vol 17, 143-153

Abstract: The heat release during the cooling of water flowing in channels of rectangular cross section in the region of $Re = 10-60 \times 10^3$ has been investigated. The experiments were carried out in three channels with cross sections of 1.8 x 19.5 mm, 3.2 x 19.3 mm, and 6.6 x 19.5 mm of 600 mm length. The test results are expressed by the equation: $Nu = 0.023Re^{0.8} \times Pr^{0.4}$, with a maximum deviation of 8%. It has been established that the cross section shape has little effect on the rate of heat

Card 1/2